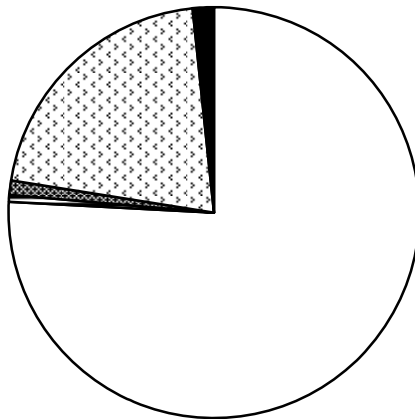


SANITARY SEWER SYSTEM CAPITAL PROGRAM

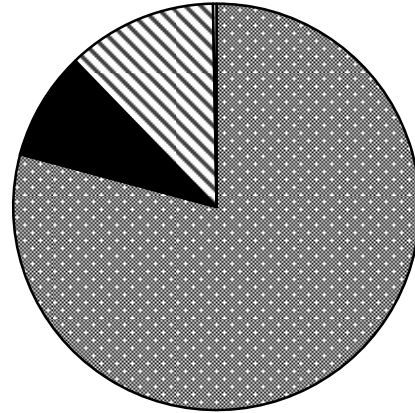
2009-2013 Capital Improvement Program

**2008-2009 Adopted
Source of Funds**



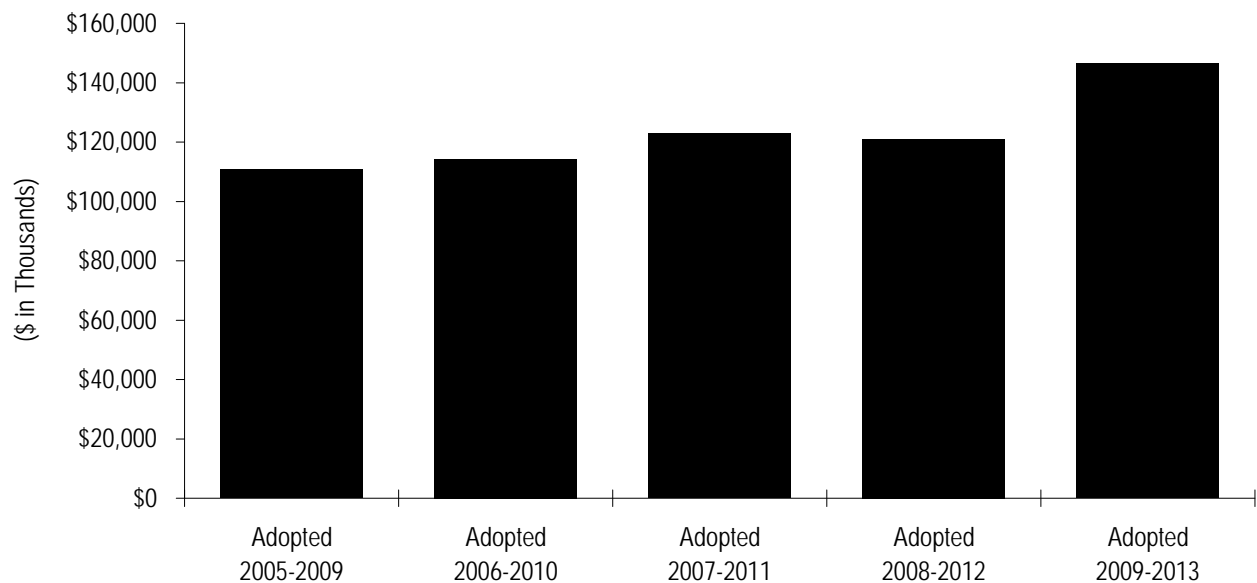
□ Beginning Fund Balance
 ▨ Other Government Agencies
 ▩ Taxes, Fees and Charges
 ▤ Loans & Transfers
 ■ Miscellaneous

**2008-2009 Adopted
Use of Funds**



▩ Construction
 ■ Non-Construction
 ▤ Ending Fund Balance
 □ Loans & Transfers

CIP History

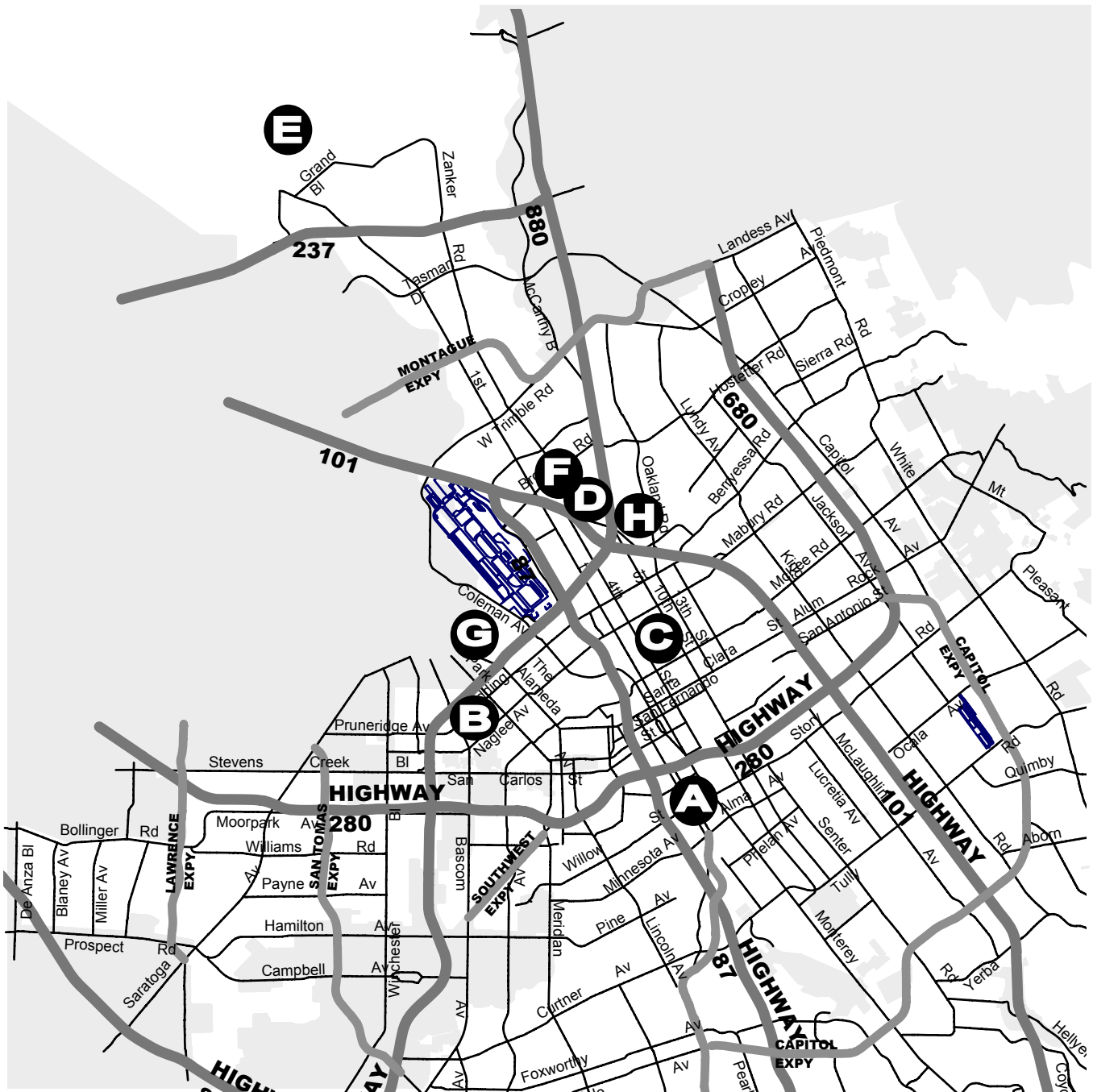


Sanitary Sewer System Capital Program

2009-2013 Adopted Capital Improvement Program

2008-2009 Project Approximate Locations: (North)

- | | |
|--|--|
| A) Union/Almaden Oak Sanitary Sewer | F) 84" RCP Interceptor |
| B) Naglee Avenue Sanitary Sewer | G) University Avenue Sanitary Sewer |
| C) Fourth Major Interceptor | H) 30" Old Bayshore Supplement |
| D) 60" Brick Interceptor | |
| E) Spreckles Sanitary Sewer | |

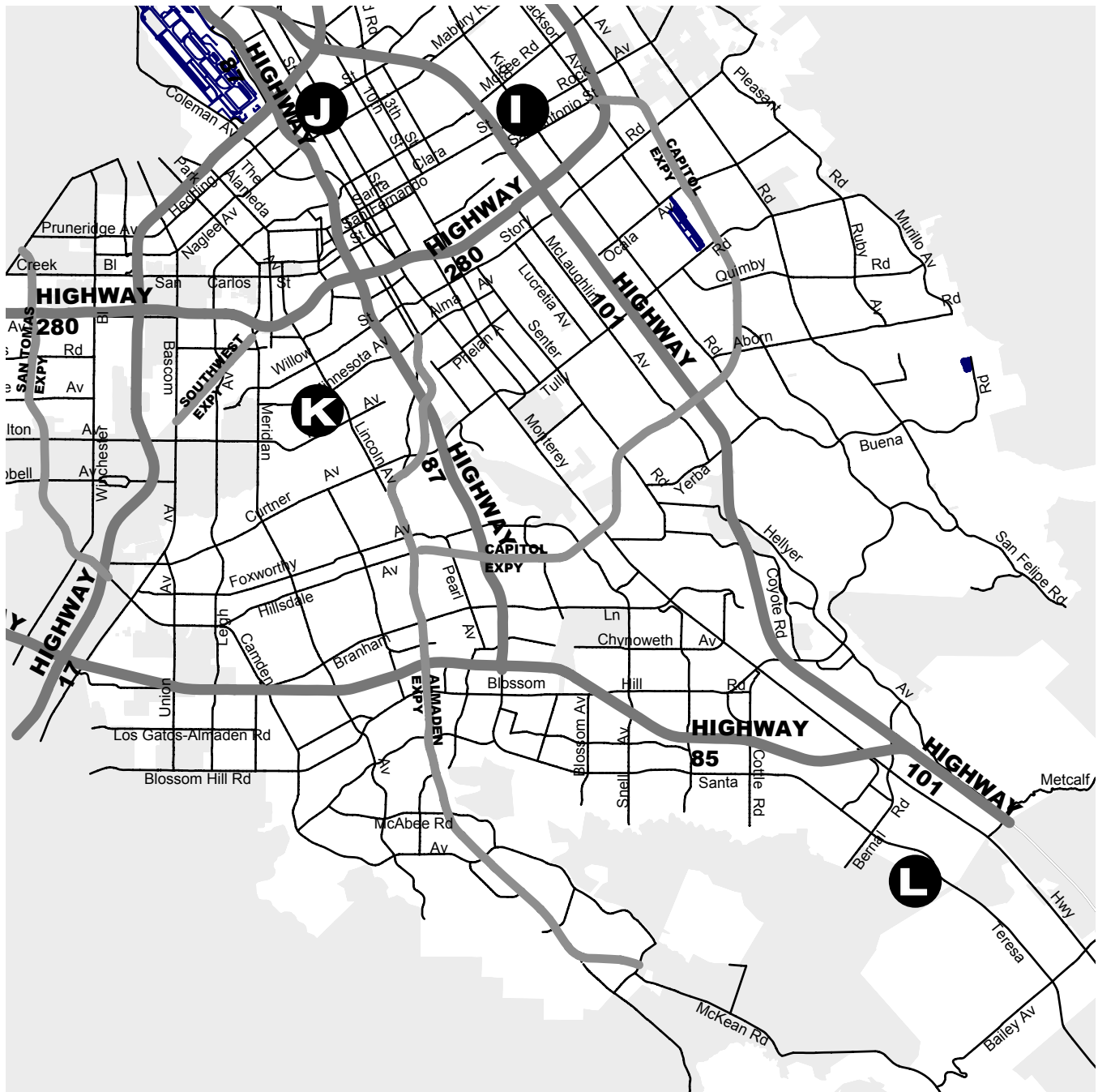


Sanitary Sewer System Capital Program

2009-2013 Adopted Capital Improvement Program

2008-2009 Project Approximate Locations: (South)

- I)** Alum Rock Avenue Sanitary Sewer
- J)** Julian-Sunol Supplement Sewer
- K)** Willow Glen Sanitary Sewer
- L)** Edenvale Sanitary Sewer Supplement Phase V



Sanitary Sewer System Capital Program

2009-2013 Adopted Capital Improvement Program

Overview

Introduction

The Sanitary Sewer System of the City of San José consists of approximately 2,150 miles of sewer mains ranging in diameter from 6 to 90 inches. The system serves the City, as well as three other jurisdictions, and conveys sewage to the San José/Santa Clara Water Pollution Control Plant (WPCP). The replacement value of the system is estimated at approximately \$3.5 billion.

The 2009-2013 Adopted Capital Improvement Program (CIP) provides funding of \$146.5 million, of which \$77.2 million is allocated in 2008-2009.

This program is part of the Environmental and Utility Services City Service Area (CSA) and supports the following outcome: *Reliable Utility Infrastructure*.

Program Priorities and Objectives

The majority of funds in the Sanitary Sewer System Capital Program are used to construct sewer improvement projects. Construction projects in the Adopted CIP fall into one of two categories: (a) enhance sewer capacity in substantially built-out areas and/or less-developed areas to meet economic development; or (b) rehabilitate existing sewers, with higher priorities given to those with extensive, severe deterioration. A project that will enhance capacity and rehabilitate existing sewers is considered a rehabilitation project for the purpose of this budget. Emphasis is placed on larger lines within each category.

- a. Capacity-enhancement projects are selected by utilizing a computerized sewer flow model (which utilizes the San José 2020 General Plan to project

sewage flows in the system), City maintenance records, and flow monitoring to identify sewer capacity constraints. Expenditures for capacity-enhancement projects total \$74.5 million, or roughly, 60% of construction projects in this CIP.

- b. Rehabilitation projects are selected based on hydrogen sulfide studies (that analyze pipe corrosion), condition assessment studies, maintenance records and reports, and actual pipe failures, whether due to pipe corrosion or other physical deficiencies. The actual condition of candidate projects is verified by internal videotape inspections, which are then evaluated to establish project priorities. Expenditures for rehabilitation projects total \$48.6 million over the next five years, or roughly, 39% of construction projects in this CIP.

Sources of Funding

The primary funding sources for the 2009-2013 Adopted Sanitary Sewer System CIP are the Sewer Service and Use Charge (SS&UC) Fee, Sanitary Sewer Connection Fees, and "Joint Participation" contributions from the City of Santa Clara, the County Sanitation Districts 2-3, and the West Valley Sanitation District for the share of their use of San José sewer lines. Among these revenues, the SS&UC fees continue to be the primary funding source for the program. For 2008-2009, the transfer of \$15.97 million represents a \$1.5 million increase from the annual transfer amount programmed in the 2008-2012 Adopted CIP. In the out-years of this Adopted CIP, this transfer remains at the \$14.5 million level.

Sanitary Sewer System Capital Program

2009-2013 Adopted Capital Improvement Program

Overview

Sources of Funding (Cont'd.)

The Sanitary Sewer System Capital Program will continue to sufficiently meet the capacity and rehabilitation needs of the sanitary system. The overall funding level in this CIP does, however, assume a 15% annual rate increase to SS&UC fees for the next two years as noticed to the public in May 2007, in order to continue to fund the rehabilitation projects in this CIP and meet other critical needs supported by this fund. Further discussions concerning changes to this fee are provided in the 2008-2009 Adopted Operating Budget.

The Sanitary Sewer Connection Fee is charged for connecting to the City's sewer system. The fees collected may only be used for the construction and reconstruction, including land acquisition, of the San José sanitary sewer system. The fee is based on the number of single and multi-family residential units built and the acres developed on commercial and industrial properties. As these activities are projected to decrease throughout the 2009-2013 Adopted CIP, primarily due to the local housing slowdown, a corresponding overall decrease to Sanitary Sewer Connection Fee revenues are assumed. These revenues total \$5.6 million in the 2009-2013 Adopted CIP, which represents an 11.2% decrease from the 2008-2012 Adopted CIP estimate of \$6.3 million.

"Joint Participation" contributions are based on the eligible project expenditures within the five-year CIP and the percentage of reserved capacity of the joint sewer of the participating agency. These contributions total \$1.9 million in the 2009-2013 Adopted CIP, which represents a 26.9% decrease from the 2008-2012 Adopted CIP estimate of \$2.6 million. This change reflects a decrease in eligible

project expenditures included in the 2009-2013 Adopted CIP.

Program Highlights

Interceptor System Construction and Rehabilitation

In general, an interceptor can be defined as a large pipe built by the City to serve as arterial collectors. In addition, interceptors are expected to carry flows from the collector sewers in the drainage basin to the point of treatment or disposal of the wastewater. These sewers normally follow valleys or natural streambeds of the drainage area. Three interceptor sewers, with an additional interceptor currently under construction, define the North San José Interceptor System. The interceptor system is generally located on Fourth Street and Zanker Road in North San José. The system collects sewage from all the area-wide and local sewer systems of the City and conveys it to the Water Pollution Control Plant. The total number of interceptors within the City depends on the demand of the sewer system according to the City's General Plan.

Based on the selection criteria, the most prominent projects in the 2009-2013 Adopted CIP continue to be those related to the construction and/or rehabilitation of the North San José Interceptor System. The North San José Interceptor System is a collection of very large sanitary sewer pipes with diameters ranging from 54-inches to 90-inches. The North San José Interceptor System Master Plan was drafted in 1986, and an update of the plan was completed in 2002. The update was necessary due to significant changes in the system's hydraulics and in the condition of the sewer infrastructure (pipeline

Sanitary Sewer System Capital Program

2009-2013 Adopted Capital Improvement Program

Overview

Program Highlights (Cont'd.)

Interceptor System Construction and Rehabilitation (Cont'd.)

and junction structures) since the initial study in 1986.

The recent study, entitled *San José North Interceptor Facility Plan Report*, assessed the hydraulic conditions of the large sewers, determined the level of corrosion in the pipelines, and validated capacity of the system. The final recommendations for programmed rehabilitation and construction of new sewer interceptors have been incorporated into the 2009-2013 Adopted CIP and will be referred to in the preparation of subsequent CIP programs. It is anticipated that the completion of the Fourth Major Interceptor and complete rehabilitation of the additional interceptors will extend beyond the 2009-2013 Adopted CIP program. Capital improvements to the interceptor system consist of large inter-related projects that must be staged in a specified sequence for logical construction of the system. The delay of one project will likely delay successive projects. However, construction of these projects must be staged so that the discharge flow cap placed on the WPCP will not be exceeded. To meet this requirement, the City also implemented the South Bay Water Recycling Program (SBWR) and the Inflow/Infiltration (I&I) Reduction Program as priority commitments for the City. The I&I Reduction Program is discussed in detail below under the heading "Other Highlights".

Presently, the City has three major sewer interceptors that originate at the intersection of Seventh and Empire Streets and continue northward to the WPCP, mostly along the full length of Zanker Road. A new Fourth Major

Interceptor is also presently under construction. The three older interceptors are referred to by the following descriptive names:

- The 60-inch Brick Interceptor, which is approximately 100 years old.
- The 60-inch Reinforced Concrete Pipe (RCP) Interceptor, which was installed in the 1960s.
- The 84-inch RCP Interceptor, installed in the 1970s.

The status of the interceptor improvements is as follows:

60-Inch Brick Interceptor

Completed Phases:

- Phase II was replaced between Highway 237 and Tasman Drive.
- Phase III, between Tasman and Daggett Drives was rehabilitated.
- Phase IV, from Daggett Drive to Trimble Road, was replaced in conjunction with Phase IV of the Fourth Interceptor.
- Phase V, from Trimble Road to Old Bayshore Highway, was completed in 2003 in conjunction with the construction of Phase V of the Fourth Interceptor project.
- Phase IB, between the WPCP and Highway 237, was completed in March 2007.

Phases to be Completed:

- Phase VI, from Old Bayshore Highway to Commercial Street remains in service and needs to be abandoned and replaced with the

Sanitary Sewer System Capital Program

2009-2013 Adopted Capital Improvement Program

Overview

Program Highlights (Cont'd.)

60-Inch Brick Interceptor (Cont'd.)

Phases to be Completed (Cont'd.):

60-Inch Brick Interceptor, Phase VIA project, currently scheduled for award in 2008-2009.

60-Inch RCP Interceptor

Completed Phases:

- Phase I was replaced between the WPCP and Highway 237.
- Phase II, between Highway 237 and Tasman Drive, was replaced with an 84-inch diameter pipe when under construction with Phase IB of the 60-Inch Brick Interceptor.
- Phase III, between Tasman and Daggett Drives, was replaced in conjunction with Phase III of the Fourth Interceptor.
- Phase IV, from Daggett Drive to Trimble Road was recently rehabilitated.
- Phase V, from Trimble Road to Old Bayshore Highway, was completed in September 2003.
- Phases VI and VII of the 60-inch RCP Interceptor were already rehabilitated between Old Bayshore Highway and Hedding Street.

84-Inch RCP Interceptor

Phases I and II (north of Daggett Drive) do not require rehabilitation or replacement at this time.

Completed Phases:

- Phases III and IV, between Tasman and Trimble Road, were rehabilitated in conjunction with the 60-Inch Brick Interceptor Phase III and 60-Inch RCP Interceptor Phase IV projects.
- Phase V, from Trimble Road to Old Bayshore Highway, awarded in November 2003 in conjunction with the 60-Inch Brick Interceptor Phase V project, was in beneficial use in March 2005.

Phases to be Completed:

- Phase VI, on Fourth Street between Old Bayshore Highway and Commercial was awarded in June 2005 with completion in September 2007.

Fourth Major Interceptor

Completed Phases:

- Phases I, II, III and IV were constructed between the WPCP and Trimble Road.
- A soil bed filter for odor mitigation has been constructed near Daggett Drive.
- Phase V, between Trimble Road and Old Bayshore Highway, was completed in September 2003.

Sanitary Sewer System Capital Program

2009-2013 Adopted Capital Improvement Program

Overview

Program Highlights (Cont'd.)

Fourth Major Interceptor (Cont'd.)

Phases to be Completed:

- Phase IIB will rehabilitate approximately 2,500 linear feet of 84-inch diameter reinforced concrete pipe along Zanker Road between Structure A and Holger Way.
- Completion of Phase VI of the project, located on Fourth Street between Old Bayshore Highway and Commercial Street, is subject to additional funding being allocated in the future in order to fund the project. Subsequent CIP revisions will further refine the scope and budget for the project.

With regard to the Fourth Major Interceptor, the first five phases of this new interceptor have been constructed. When completed, the Fourth Major Interceptor would also allow one of the three older interceptors to be removed from service during dry weather periods for the purpose of routine maintenance or rehabilitation. Such flexibility is important, but currently not available in all reaches of the system.

Other Highlights

The existing San José Sanitary Sewer Master Plan, which evaluates sanitary sewers throughout San José, is more than 10 years old. In fall 2002, the City initiated a new Sanitary Sewer Master Plan. The new San José Sanitary Sewer Master Plan for the north, south, and central areas was completed in June 2004. The Sanitary Sewer Master Plan for the East and West areas is anticipated to

be completed in late 2009. Once the Master Plan is completed, it will help identify sewer capacity deficiencies in the existing system, and projected additional capacities required to meet future demands.

In addition to interceptor improvements, funding toward other projects is included in this document. These projects include Sanitary Sewer System Flow Monitoring and Master Planning Program, Inflow and Infiltration (I&I) Reduction Program, and Miscellaneous Rehabilitation Projects to fund a variety of neighborhood sewer improvement projects.

The Flow Monitoring and Master Planning Program proposes to supplement the number of sites where the City may monitor sewer system flow rates. This information will be useful in daily operations and maintenance activities, the master planning of the sanitary sewer system, and sewage diversion operations. In diversion operations, City staff or contractors divert sewage flows from one line to another so that a sewer may be replaced or rehabilitated. Data from the flow monitoring program aids in confirming that the adjacent system is capable of conveying the additional flow without creating a sanitary sewer overflow.

The I&I Reduction Program is a key element of the Environmental and Utility Services CSA Business Plan. This program is intended to rehabilitate portions of the sewer system where groundwater and other sources of water (besides sewage) enter the sewers. It is known that certain areas of the City are prone to I&I. The goal of the I&I Reduction Program is to decrease the flow to the WPCP and help continue to meet the discharge flow cap. The program operates in conjunction

Sanitary Sewer System Capital Program

2009-2013 Adopted Capital Improvement Program

Overview

Program Highlights (Cont'd.)

Other Highlights (Cont'd.)

with the Flow Monitoring Program to identify areas of the system that have substantial I&I, construct improvements to reduce I&I, then measure the reduction in flow following those improvements. Funding to the I&I Reduction Program of \$10.0 million is allocated over the next five years, representing an increase of \$4.0 million from the 2008-2012 Adopted CIP allocation of \$6.0 million.

In recognition of the City Council's attention to neighborhood services, the Adopted Sanitary Sewer CIP also directs additional expenditures over the next five years toward the improvement of local neighborhood sewer systems. Generally, older neighborhoods benefit from this program because of the age and structural deterioration of their local sewers. The sewers may also warrant upsizing or downsizing to reflect changes in the drainage basin, sewage flows, and patterns over time. In this five-year CIP, the neighborhood sewer program includes projects to rehabilitate and/or replace sewers in the Rose Garden, Almaden, Parkmoor-Meridian, Julian-Sunol, Union/Almaden Oak, and Willow Glen neighborhoods.

Funding totaling \$17.1 million is programmed in 2010-2011 through 2012-2013 for capacity improvement projects on Blossom Hill Road, Capitol Avenue, Coleman Road, Cropley Avenue, Foxworthy Avenue, Jacob Avenue, and Morrill Avenue/Sierra Road. These projects will provide additional sanitary sewer capacity to support future economic development in the area.

In the 2009-2013 Adopted CIP, approximately \$28.7 million is allocated for

the Edenvale Sanitary Sewer Supplement Phase VA & VB projects. This project will provide increased sewer capacity for the southern portions of San José, including the Edenvale Redevelopment Area, North Coyote Valley, and existing South San José neighborhoods. Construction of this phase of the Edenvale project also improves capacity in the Monterey-Riverside sewer collection system.

Major Changes from the 2008-2012 Adopted CIP

Major changes from the 2008-2012 Adopted CIP include the following:

- New funding in the amount of \$500,000 for Blossom Hill Road Supplement as a capacity improvement project in 2010-2011.
- New funding in the amount of \$2.5 million for Foxworthy Avenue Sanitary Sewer Improvement.
- New funding in the amount of \$2.8 million for Jacob Avenue Sanitary Sewer Improvement as a capacity improvement project in 2012-2013.
- New funding in the amount of \$3.5 million for the 30" Old Bayshore Rehabilitation project for sanitary sewer rehabilitation beginning 2010-2011.
- New funding in the amount of \$3.4 million for Fourth Major Interceptor, Phase IIB beginning in fiscal year 2009-2010.
- New funding in the amount of \$2.0 million for the Parkmoor-Meridian

Sanitary Sewer System Capital Program

2009-2013 Adopted Capital Improvement Program

Overview

Major Changes from the 2008-2012 Adopted CIP (Cont'd.)

Sanitary Sewer Rehabilitation project in 2012-2013.

- Additional funding of \$2.0 million for Inflow and Infiltration Reduction to reduce infiltration of groundwater into the sanitary sewer collection system.
- New funding of \$3.1 million to fund the Naglee Avenue Sanitary Sewer Replacement project starting in 2008-2009.
- New funding of \$500,000 for the Rehabilitation of Sanitary Sewer Pump Stations in 2008-2009.
- New funding of \$2.9 million for the Spreckles Sanitary Sewer Force Main Supplement starting in 2008-2009.
- New funding of \$2.9 million for the University Avenue Sanitary Sewer Replacement project starting in 2008-2009.
- Additional funding of \$406,000 for Public Art to fund the construction and administration of public art in the Sanitary Sewer System Capital Program.
- Additional funding of \$80,000 in 2008-2009 for Geographic Information Systems to provide funding for staff and consultant support for the computerized Geographic Information System (GIS) needed in the Sanitary Program.

- New funding in the amount of \$915,000 for Infrastructure – Sanitary Sewer Condition Assessment to identify locations in need of rehabilitation and capacity improvements.
- New funding in the amount of \$2.1 million for Public Work Capital Management Costs.

Operating Budget Impact

All the projects in the Adopted Sanitary Sewer CIP rehabilitate or replace existing sewers in order to avoid possible future maintenance costs and therefore do not incur additional long-term operating and maintenance costs.

Council-Approved Revisions to the Proposed Capital Improvement Program

During the June budget hearings, the City Council approved the rebudgeting of \$24.7 million for 13 projects: Edenvale Sanitary Sewer Supplement, Phases VA and VB (\$17.1 million), Inflow and Infiltration Reduction (\$2.0 million), Miscellaneous Rehabilitation Projects (\$2.0 million), Union/Almaden Oak Sanitary Sewer Rehabilitation (\$1.3 million), Willow Glen Sanitary Sewer Rehabilitation (\$936,000), Miscellaneous Projects (\$700,000), 84" RCP Interceptor, Phases VB & VIB (\$300,000), Hydrogen Peroxide Injection Station (\$110,000), Flow Monitoring Program (Master Planning, \$100,000), Public Art (\$71,000), Willow-Union Trunk Sewer (\$70,000), Alum Rock Avenue Sanitary Sewer Rehabilitation (\$50,000) and Geographic Information System (GIS, \$29,000).

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Source of Funds

SOURCE OF FUNDS	Estimated 2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	5-Year Total
<u>Redevelopment Capital Projects Fund</u>							
Revenue from Other Agencies:							
<u>Redevelopment Agency</u>							
– Gateway East Sanitary Sewer Improvements	10,670						
– Gateway East Sanitary Sewer Improvements Phase II	250,000	350,000					350,000
Total Redevelopment Capital Projects Fund	260,670	350,000					350,000 *
<u>Sanitary Sewer Connection Fee Fund</u>							
Beginning Fund Balance	19,866,271	16,825,673	1,237,673	736,673	970,673	711,673	16,825,673 *
Revenue from Other Agencies:							
<u>Sanitary Sewer Joint Participation</u>							
– CSD 2-3/City Joint Projects	640,000	160,000	160,000	160,000	160,000	160,000	800,000
– WVSD/City Joint Projects	1,499,806	26,000	644,000	259,000	100,000	100,000	1,129,000
Taxes, Fees & Charges:							
<u>Sanitary Sewer Connection Fees</u>	700,000	907,000	972,000	1,167,000	1,257,000	1,296,000	5,599,000
Interest Income							
– Interest from Connection Fees	300,000	318,000	340,000	408,000	440,000	454,000	1,960,000
Reserve for Encumbrances	3,105,596						
Total Sanitary Sewer Connection Fee Fund	26,111,673	18,236,673	3,353,673	2,730,673	2,927,673	2,721,673	26,313,673 *

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Source of Funds

SOURCE OF FUNDS (CONT'D.)	Estimated						5-Year
	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	Total
<u>Sewer Service and Use Charge Capital Improvement Fund</u>							
Beginning Fund Balance	39,614,119	41,633,163	7,872,163	538,163	549,163	439,163	41,633,163 *
Contributions, Loans and Transfers from:							
<u>Special Funds</u>							
- Transfer from Sewer Service and Use Charge Fund	14,475,000	15,970,000	14,475,000	14,475,000	14,475,000	14,475,000	73,870,000
Interest Income	1,200,000	1,000,000	890,000	825,000	820,000	810,000	4,345,000
Reserve for Encumbrances	5,588,044						
Total Sewer Service and Use Charge Capital Improvement Fund	60,877,163	58,603,163	23,237,163	15,838,163	15,844,163	15,724,163	119,848,163 *
TOTAL SOURCE OF FUNDS	87,249,506	77,189,836	26,590,836	18,568,836	18,771,836	18,445,836	146,511,836 *

* The 2009-2010 through 2012-2013 Beginning Balances are excluded from the FIVE-YEAR TOTAL SOURCE OF FUNDS to avoid multiple counting of the same funds.

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program

Use of Funds

		Estimated 2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	5-Year Total
<u>USE OF FUNDS</u>								
<u>Construction Projects</u>								
1.	Public Art		402,000	198,000	126,000	130,000	129,000	985,000
<u>Capacity Improvement Projects</u>								
	Blossom Hill Road Supplement				500,000			500,000
	Capitol Avenue Sanitary Sewer Improvement					420,000	1,255,000	1,675,000
	Coleman Road Sanitary Sewer Improvement				657,000	1,972,000		2,629,000
	Cropley Avenue Sanitary Sewer Improvement				1,100,000	3,429,000		4,529,000
	Foxworthy Avenue Sanitary Sewer Improvement					200,000	2,319,000	2,519,000
	Jacob Avenue Sanitary Sewer Improvement						2,825,000	2,825,000
	Monterey-Riverside Supplement	146,000						
	Morrill Avenue/Sierra Road Sanitary Sewer Improvement				505,000	1,895,000		2,400,000
2.	30" Old Bayshore Supplement		3,895,000	959,000				4,854,000
3.	60" Brick Interceptor, Phase VIA & VIB	248,000	1,684,000	15,223,000	75,000			16,982,000
4.	Edenvale Sanitary Sewer Supplement, Phases VA and VB	949,000	27,703,000	990,000	10,000			28,703,000
5.	Miscellaneous Projects	4,533,000	2,900,000	1,000,000	1,000,000	1,000,000	1,000,000	6,900,000
Total Capacity Improvement Projects		5,876,000	36,182,000	18,172,000	3,847,000	8,916,000	7,399,000	74,516,000
<u>Rehabilitation Projects</u>								
	30" Old Bayshore Rehabilitation				450,000	3,000,000		3,450,000

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program

Use of Funds

USE OF FUNDS (CONT'D.)	Estimated	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	5-Year
	2007-2008						Total
<u>Construction Projects</u>							
Rehabilitation Projects							
84" RCP Interceptor, Phases VB & VIB	794,000	529,000					529,000
Almaden Road Supplement Sewer Rehabilitation (North)			122,000	1,909,000			2,031,000
Almaden Road Supplement Sewer Rehabilitation (South)			166,000	2,167,000			2,333,000
Alum Rock Avenue Sanitary Sewer Rehabilitation	770,000	160,000					160,000
Cheney Drive Sanitary Sewer Rehabilitation	420,000						
Fourth Major Interceptor, Phase IIB			400,000	3,000,000			3,400,000
Gateway East Sanitary Sewer Improvements	10,670						
Hobson-Walnut Area Interceptor Cleaning	337,000						
Julian-Sunol Supplemental Sewer Rehabilitation	1,207,000	314,000					314,000
Parkmoor-Meridian Sanitary Sewer Rehabilitation						2,000,000	2,000,000
Willow-Union Trunk Sewer	294,000	70,000					70,000
6. Gateway East Sanitary Sewer Improvements Phase II	250,000	350,000					350,000
7. Hydrogen Peroxide Injection Station	176,000	110,000					110,000
8. Inflow and Infiltration Reduction	4,439,000	6,000,000	1,000,000	1,000,000	1,000,000	1,000,000	10,000,000
9. Miscellaneous Rehabilitation Projects	7,998,000	5,500,000	1,000,000	1,000,000	1,000,000	3,200,000	11,700,000

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program

Use of Funds

USE OF FUNDS (CONT'D.)	Estimated						5-Year
	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	Total
<u>Construction Projects</u>							
Rehabilitation Projects							
10. Naglee Avenue Sanitary Sewer Replacement		2,518,000	631,000				3,149,000
11. Rehabilitation of Sanitary Sewer Pump Stations		500,000					500,000
12. Spreckles Sanitary Sewer Force Main Supplement		2,849,000	60,000				2,909,000
13. Union/Almaden Oak Sanitary Sewer Rehabilitation	87,000	1,492,000					1,492,000
14. University Avenue Sanitary Sewer Replacement		2,926,000	10,000				2,936,000
15. Willow Glen Sanitary Sewer Rehabilitation	112,000	1,205,000					1,205,000
Total Rehabilitation Projects	16,904,670	24,523,000	3,389,000	9,526,000	5,000,000	6,200,000	48,638,000
Total Construction Projects	22,780,670	61,107,000	21,759,000	13,499,000	14,046,000	13,728,000	124,139,000
<u>Non-Construction</u>							
General Non-Construction							
CIP Action Team	3,000						
CIP Database Enhancement	6,000						
16. Fee Administration	106,000	111,000	117,000	120,000	123,000	125,000	596,000
17. Flow Monitoring Program (Master Planning)	3,410,000	3,312,000	1,000,000	1,000,000	1,000,000	1,000,000	7,312,000
18. Geographic Information System (GIS)	24,000	149,000	40,000	40,000	40,000	40,000	309,000
19. Infrastructure - Sanitary Sewer Condition Assessment		915,000					915,000

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program

Use of Funds

USE OF FUNDS (CONT'D.)	Estimated 2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	5-Year Total
<u>Non-Construction</u>							
General Non-Construction							
20. Payments to West Valley Sanitation District	10,000	10,000	10,000	10,000	10,000	10,000	50,000
21. Permit Review and Inspection for Outside Agencies	75,000	75,000	75,000	75,000	75,000	75,000	375,000
22. Preliminary Engineering	531,000	700,000	610,000	600,000	615,000	600,000	3,125,000
23. Program Management	415,000	400,000	400,000	400,000	400,000	400,000	2,000,000
24. Public Works Capital Management Costs	1,169,000	1,012,000	1,012,000	1,012,000	1,012,000	1,012,000	5,060,000
25. Public Works Engineering Services Equipment (Materials Lab)	38,000	40,000	40,000	40,000	40,000	40,000	200,000
Total General Non-Construction	5,787,000	6,724,000	3,304,000	3,297,000	3,315,000	3,302,000	19,942,000
Contributions, Loans and Transfers to Special Funds							
Transfer to the City Hall Debt Service Fund	223,000	249,000	253,000	253,000	260,000	208,000	1,223,000
Total Contributions, Loans and Transfers to Special Funds	223,000	249,000	253,000	253,000	260,000	208,000	1,223,000
Total Non-Construction	6,010,000	6,973,000	3,557,000	3,550,000	3,575,000	3,510,000	21,165,000
Ending Fund Balance	58,458,836	9,109,836	1,274,836	1,519,836	1,150,836	1,207,836	1,207,836*
TOTAL USE OF FUNDS	87,249,506	77,189,836	26,590,836	18,568,836	18,771,836	18,445,836	146,511,836*

* The 2008-2009 through 2011-2012 Ending Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
2008-2009 Use of Funds by Funding Source

	(450) Redevelopment Capital Projects Fund	(540) Sanitary Sewer Connection Fee Fund	(545) Sewer Service and Use Charge Capital Improvement Fund	Total
TOTAL RESOURCES	350,000	18,236,673	58,603,163	77,189,836
<u>Construction Projects</u>				
1. Public Art			402,000	402,000
Capacity Improvement Projects				
2. 30" Old Bayshore Supplement		401,000	3,494,000	3,895,000
3. 60" Brick Interceptor, Phase VIA & VIB			1,684,000	1,684,000
4. Edenvale Sanitary Sewer Supplement, Phases VA and VB		8,000,000	19,703,000	27,703,000
5. Miscellaneous Projects		500,000	2,400,000	2,900,000
Total Capacity Improvement Projects		8,901,000	27,281,000	36,182,000
Rehabilitation Projects				
84" RCP Interceptor, Phases VB & VIB			529,000	529,000
Alum Rock Avenue Sanitary Sewer Rehabilitation		160,000		160,000
Julian-Sunol Supplemental Sewer Rehabilitation			314,000	314,000
Willow-Union Trunk Sewer			70,000	70,000
6. Gateway East Sanitary Sewer Improvements Phase II	350,000			350,000
7. Hydrogen Peroxide Injection Station			110,000	110,000
8. Inflow and Infiltration Reduction		2,000,000	4,000,000	6,000,000
9. Miscellaneous Rehabilitation Projects		2,200,000	3,300,000	5,500,000
10. Naglee Avenue Sanitary Sewer Replacement			2,518,000	2,518,000
11. Rehabilitation of Sanitary Sewer Pump Stations			500,000	500,000

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
2008-2009 Use of Funds by Funding Source

	(450) Redevelopment Capital Projects Fund	(540) Sanitary Sewer Connection Fee Fund	(545) Sewer Service and Use Charge Capital Improvement Fund	Total
<u>Construction Projects</u>				
Rehabilitation Projects				
12. Spreckles Sanitary Sewer Force Main Supplement			2,849,000	2,849,000
13. Union/Almaden Oak Sanitary Sewer Rehabilitation			1,492,000	1,492,000
14. University Avenue Sanitary Sewer Replacement			2,926,000	2,926,000
15. Willow Glen Sanitary Sewer Rehabilitation		26,000	1,179,000	1,205,000
Total Rehabilitation Projects	350,000	4,386,000	19,787,000	24,523,000
Total Construction Projects	350,000	13,287,000	47,470,000	61,107,000
<u>Non-Construction</u>				
16. Fee Administration		111,000		111,000
17. Flow Monitoring Program (Master Planning)		2,262,000	1,050,000	3,312,000
18. Geographic Information System (GIS)			149,000	149,000
19. Infrastructure - Sanitary Sewer Condition Assessment			915,000	915,000
20. Payments to West Valley Sanitation District		10,000		10,000
21. Permit Review and Inspection for Outside Agencies			75,000	75,000
22. Preliminary Engineering		700,000		700,000
23. Program Management		400,000		400,000
24. Public Works Capital Management Costs		143,000	869,000	1,012,000

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
2008-2009 Use of Funds by Funding Source

	(450) Redevelopment Capital Projects Fund	(540) Sanitary Sewer Connection Fee Fund	(545) Sewer Service and Use Charge Capital Improvement Fund	Total
<u>Non-Construction</u>				
25. Public Works Engineering Services Equipment (Materials Lab)			40,000	40,000
		3,626,000	3,098,000	6,724,000
Contributions, Loans and Transfers to				
Transfer to the City Hall Debt Service Fund		86,000	163,000	249,000
Total Contributions, Loans and Transfers		86,000	163,000	249,000
Total Non-Construction		3,712,000	3,261,000	6,973,000
Ending Fund Balance		1,237,673	7,872,163	9,109,836
TOTAL USE OF FUNDS	350,000	18,236,673	58,603,163	77,189,836

Sanitary Sewer System Capital Program

2009-2013 Adopted Capital Improvement Program

Detail of Capital Projects

1. Public Art

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	Ongoing
Council District:	City-wide	Revised Completion Date:	
Location:	City-wide		

Description: This allocation funds the construction and administration of public art in the Sanitary Sewer Capital Program. In compliance with the Council adoption of the revised Public Art Master Plan on March 13, 2007, one percent of all construction project funding is required to be allocated to public art, excluding funding for seismic and ADA retrofits, maintenance and operations, non-construction projects (such as studies), or affordable housing. Projects where public art allocations were previously programmed or appropriated are not subject to the revisions of the Public Art Master Plan. Expenditures in this allocation will be subject to the legal revenue restrictions for the use of this funding on public art.

Justification: This allocation is required to comply with the revisions to the Public Art Master Plan adopted by the City Council on March 13, 2007.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Public Art		71		402	198	126	130	129	985		
TOTAL		71		402	198	126	130	129	985		

FUNDING SOURCE SCHEDULE (000'S)

Sewer Service And Use Charge Capital Improvement Fund		71		402	198	126	130	129	985		
TOTAL		71		402	198	126	130	129	985		

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	5957	USGBC LEED:	N/A

Sanitary Sewer System Capital Program

2009-2013 Adopted Capital Improvement Program

Detail of Capital Projects

2. 30" Old Bayshore Supplement

CSA: Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 2008
CSA Outcome: Reliable Utility Infrastructure **Revised Start Date:**
Department: Public Works **Initial Completion Date:** 2nd Qtr. 2010
Council District: 4 **Revised Completion Date:**
Location: Old Bayshore Highway between Commercial Street and Zanker Road
Description: This project funds the construction of 5,540 linear feet of 30-inch diameter relief sewer parallel to an existing 30-inch pipe on Old Bayshore Highway between Commercial Street and Zanker Road.
Justification: This project is required due to structural deterioration of existing sewers.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Design				651					651		651
Bid & Award				10					10		10
Construction				3,234	953				4,187		4,187
Post Construction					6				6		6
TOTAL				3,895	959				4,854		4,854

FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer				401	506				907		907
Connection Fee Fund											
Sewer Service And Use Charge Capital Improvement Fund				3,494	453				3,947		3,947
TOTAL				3,895	959				4,854		4,854

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2008-2009	Redevelopment Area:	N/A
Initial Project Budget:	\$4,854,000	SNI Area:	N/A
Appn. #:	6519	USGBC LEED:	N/A

Sanitary Sewer System Capital Program

2009-2013 Adopted Capital Improvement Program

Detail of Capital Projects

3. 60" Brick Interceptor, Phase VIA & VIB

CSA: Environmental and Utility Services **Initial Start Date:** 1st Qtr. 2003

CSA Outcome: Reliable Utility Infrastructure **Revised Start Date:** 3rd Qtr. 2007

Department: Public Works **Initial Completion Date:** 4th Qtr. 2005

Council District: 3, 4 **Revised Completion Date:** 2nd Qtr. 2011

Location: From Structure G at 5th and Commercial Streets
to Structure E at Zanker Road and Old Bayshore Highway

Description: This project replaces approximately 5,000 linear feet of existing 60-inch brick sanitary sewer with a 72-inch lined reinforced concrete pipe.

Justification: Based on the North San José Interceptor Study, this portion of pipe was recommended for rehabilitation. However, due to the limited availability for the Fourth Major Interceptor, it is prudent that the existing pipe be upsized.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Development	5	60	42								47
Property & Land		151	151								151
Design	1,055	2,191	55	1,684					1,684		2,794
Bid & Award	10				8				8		18
Construction	32,921				15,215	55			15,270		48,191
Post Construction	9					20			20		29
TOTAL	34,000	2,402	248	1,684	15,223	75			16,982		51,230

FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer	186										186
Connection Fee Fund											
Sewer Service And Use	33,814	2,402	248	1,684	15,223	75			16,982		51,044
Charge Capital Improvement Fund											
TOTAL	34,000	2,402	248	1,684	15,223	75			16,982		51,230

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

1994-1998 CIP - increased \$10 million to address scope changes and construction costs.
 1996-2000 CIP - increased \$2.5 million to address scope changes and construction costs.
 1999-2003 CIP - increased \$5.3 million to address scope changes and construction costs.
 2000-2004 CIP - increased \$6.5 million to address scope changes and construction costs.
 2006-2010 CIP - increased \$927,000 to address scope changes and construction costs.
 2008-2012 CIP - increased \$17.8 million for new phase costs.
 2009-2013 CIP - decreased \$2.2 million to address scope changes and construction costs.

Notes:

FY Initiated:	1994-1995	Redevelopment Area:	N/A
Initial Project Budget:	\$10,442,000	SNI Area:	N/A
Appn. #:	4969	USGBC LEED:	N/A

Sanitary Sewer System Capital Program

2009-2013 Adopted Capital Improvement Program

Detail of Capital Projects

4. Edenvale Sanitary Sewer Supplement, Phases VA and VB

CSA: Environmental and Utility Services **Initial Start Date:** 2nd Qtr. 2001

CSA Outcome: Reliable Utility Infrastructure **Revised Start Date:**

Department: Public Works **Initial Completion Date:** 3rd Qtr. 2008

Council District: 2 **Revised Completion Date:** 1st Qtr. 2010

Location: Various Streets from Monterey Highway at Blossom Hill Road to Santa Teresa Boulevard at Bayliss Drive

Description: This project funds the construction of approximately 5,900 linear feet of 48-inch and 16,400 linear feet of 54-inch diameter concrete pipes. This project is located on Santa Teresa Boulevard between Bayliss Drive and Bernal Road, and on portions of Bernal Road, Via Del Oro, Great Oaks Boulevard, Las Colinas Lane, and Monterey Highway from Route 85 to Blossom Hill Road.

Justification: This project is required in order to provide capacity for the ultimate development of the service area.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Development	60										60
Design	1,617			6,386					6,386		8,003
Bid & Award	1			30					30		31
Construction		21,140	939	21,287	990				22,277		23,216
Post Construction		9	10			10			10		20
TOTAL	1,678	21,149	949	27,703	990	10			28,703		31,330

FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer Connection Fee Fund	1,397	8,590	590	8,000					8,000		9,987
Sewer Service And Use Charge Capital Improvement Fund	281	12,559	359	19,703	990	10			20,703		21,343
TOTAL	1,678	21,149	949	27,703	990	10			28,703		31,330

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

2003-2007 CIP - increase of \$4.6 million to address increased construction costs.
 2006-2010 CIP - increase of \$8.0 million to reflect scope changes and the addition of funding for Phase VA.
 2007-2011 CIP - increase of \$2.6 million to address increased construction costs.
 2008-2012 CIP - increase of \$2.4 million to address increased construction costs.
 2009-2013 CIP - decreased \$1.8 million to address scope changes.

Notes:

The Initial/Revised Start Dates and Initial/Revised End Dates are for Phase VB of the project.

FY Initiated:	2000-2001	Redevelopment Area:	Yes
Initial Project Budget:	\$15,570,000	SNI Area:	Edenvale/Great Oaks
Appn. #:	4037	USGBC LEED:	N/A

Sanitary Sewer System Capital Program

2009-2013 Adopted Capital Improvement Program

Detail of Capital Projects

5. Miscellaneous Projects

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	Ongoing
Council District:	City-wide	Revised Completion Date:	
Location:	City-wide		

Description: This ongoing allocation is used to complete minor sanitary sewer projects and to establish contingency reserves for major projects.

Justification: This allocation is required for sewer extensions related to Traffic Program projects, and to construct minor sewer mains to extend and cross-connect existing mains.

EXPENDITURE SCHEDULE (000'S)										
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year
Development		100	86							
Design		410	344	690	220	295	295	295	1,795	
Bid & Award		43	36	18	13	9	9	9	58	
Construction		5,617	4,014	2,180	760	690	690	690	5,010	
Post Construction		64	53	12	7	6	6	6	37	
TOTAL		6,234	4,533	2,900	1,000	1,000	1,000	1,000	6,900	

FUNDING SOURCE SCHEDULE (000'S)									
Sanitary Sewer	837	336	500						500
Connection Fee Fund									
Sewer Service And Use	5,397	4,197	2,400	1,000	1,000	1,000	1,000		6,400
Charge Capital Improvement Fund									
TOTAL	6,234	4,533	2,900	1,000	1,000	1,000	1,000		6,900

ANNUAL OPERATING BUDGET IMPACT (000'S)									
None									

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	4272	USGBC LEED:	N/A

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Detail of Capital Projects

6. Gateway East Sanitary Sewer Improvements Phase II

CSA: Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 2007
CSA Outcome: Reliable Utility Infrastructure **Revised Start Date:**
Department: Public Works **Initial Completion Date:** 2nd Qtr. 2008
Council District: 5 **Revised Completion Date:** 3rd Qtr. 2008
Location: Various locations in the Gateway East neighborhood
Description: This allocation represents contributions from the San José Redevelopment Agency for sanitary sewer inspection and lateral improvements in the Gateway East neighborhood. The project includes the installation of cleanouts to prevent sanitary sewer backups.
Justification: Installation of cleanouts will help prevent sanitary sewer backups and aid in the maintenance of sewer laterals.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Construction		600	250	350					350		600
TOTAL		600	250	350					350		600
FUNDING SOURCE SCHEDULE (000'S)											
Redevelopment Capital Projects Fund		600	250	350					350		600
TOTAL		600	250	350					350		600
ANNUAL OPERATING BUDGET IMPACT (000'S)											

None

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2007-2008	Redevelopment Area:	Yes
Initial Project Budget:	\$103,000	SNI Area:	Gateway East
Appn. #:	4974, 6125	USGBC LEED:	N/A

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Detail of Capital Projects

7. Hydrogen Peroxide Injection Station

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2006
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Environmental Services	Initial Completion Date:	4th Qtr. 2007
Council District:	4	Revised Completion Date:	4th Qtr. 2008
Location:	On Zanker Road at Old Bayshore Highway		

Description: This project will install a sanitary sewer hydrogen peroxide injection station in north San José to decrease the production of unpleasant sewer gases.

Justification: This project should decrease the production of unpleasant sewer gases and sewer odors to address odor complaints from citizens and businesses in the area.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Construction	14	286	176	110					110		300
TOTAL	14	286	176	110					110		300

FUNDING SOURCE SCHEDULE (000'S)											
Sewer Service And Use Charge Capital Improvement Fund	14	286	176	110					110		300
TOTAL	14	286	176	110					110		300

ANNUAL OPERATING BUDGET IMPACT (000'S)											
None											

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2006-2007	Redevelopment Area:	N/A
Initial Project Budget:	\$300,000	SNI Area:	N/A
Appn. #:	4296	USGBC LEED:	N/A

Sanitary Sewer System Capital Program

2009-2013 Adopted Capital Improvement Program

Detail of Capital Projects

8. Inflow and Infiltration Reduction

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	Ongoing
Council District:	City-wide	Revised Completion Date:	
Location:	City-wide		

Description: The Inflow and Infiltration (I&I) Reduction Program is a key element of the Environmental and Utility Services CSA Business Plan. The I&I Reduction projects rehabilitate sanitary sewers and manholes that have groundwater or storm water penetration. The Flow Monitoring Program and maintenance reports from the Department of Transportation identify sewers ranging from six inch to 36-inch in diameter in various locations throughout the City that require rehabilitation.

Justification: This allocation is required to reduce infiltration of groundwater into the sanitary sewer collection systems, thereby reducing the volume of effluent discharged by the San José/Santa Clara Water Pollution Control Plant.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Development		189	129	80	20	20	20	20	160		
Design		944	644	400	100	100	100	100	800		
Bid & Award		35	24	32	8	8	8	8	64		
Construction		8,271	3,642	5,488	872	872	872	872	8,976		
TOTAL		9,439	4,439	6,000	1,000	1,000	1,000	1,000	10,000		

FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer Connection Fee Fund	4,388	2,388	2,000						2,000		
Sewer Service And Use Charge Capital Improvement Fund	5,051	2,051	4,000	1,000	1,000	1,000	1,000	1,000	8,000		
TOTAL	9,439	4,439	6,000	1,000	1,000	1,000	1,000	1,000	10,000		

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project. This allocation was formerly titled "Infiltration Reduction."

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	6444	USGBC LEED:	N/A

Sanitary Sewer System Capital Program

2009-2013 Adopted Capital Improvement Program

Detail of Capital Projects

9. Miscellaneous Rehabilitation Projects

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	Ongoing
Council District:	City-wide	Revised Completion Date:	
Location:	City-wide		

Description: This ongoing allocation rehabilitates sanitary sewers that exhibit structural deterioration, corrosion, sagging, joint separation, cracking, blockage, and stoppage. The program projects are developed based on input from the Department of Transportation maintenance and repair records, flow monitoring, consultant studies, staff input, and field observations.

Justification: This allocation is required due to structural deterioration of aging sewers.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Property & Land											
Design		2,814	2,296	805	230	230	230	736	2,231		
Bid & Award		138	112	35	10	10	10	32	97		
Construction		9,299	5,590	4,660	760	760	760	2,432	9,372		
TOTAL		12,251	7,998	5,500	1,000	1,000	1,000	3,200	11,700		

FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer	4,757	2,757	2,200	1,000	800	950	700	5,650
Connection Fee Fund								
Sewer Service And Use	7,494	5,241	3,300		200	50	2,500	6,050
Charge Capital								
Improvement Fund								
TOTAL	12,251	7,998	5,500	1,000	1,000	1,000	3,200	11,700

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	4271	USGBC LEED:	N/A

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Detail of Capital Projects

10. Naglee Avenue Sanitary Sewer Replacement

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2008
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2010
Council District:	6	Revised Completion Date:	
Location:	Naglee Avenue between Bascom Avenue and Chapman Street and Chapman Street between Naglee Avenue and Hedding Street		
Description:	This allocation will fund the removal and replacement of approximately 5,300 linear feet of 6-inch diameter vitrified clay pipe and the reinstatement of sanitary sewer laterals, including other appurtenances, such as construction of new manholes and pavement restoration. This project is located between Bascom Avenue and Chapman Street and on Chapman Street between Naglee Avenue and Hedding Street.		
Justification:	This project will replace existing aging sewer lines with new pipes and increase the pipe slope to obtain good cleaning velocity, which will minimize frequent maintenance by the Department of Transportation.		

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Development				10					10		10
Design				350					350		350
Bid & Award				5					5		5
Construction				2,153	622				2,775		2,775
Post Construction					9				9		9
TOTAL				2,518	631				3,149		3,149

FUNDING SOURCE SCHEDULE (000'S)

Sewer Service And Use Charge Capital Improvement Fund	2,518	631	3,149	3,149
TOTAL	2,518	631	3,149	3,149

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2008-2009	Redevelopment Area:	N/A
Initial Project Budget:	\$3,149,000	SNI Area:	N/A
Appn. #:	6524	USGBC LEED:	N/A

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Detail of Capital Projects

11. Rehabilitation of Sanitary Sewer Pump Stations

CSA:	Environmental and Utility Services	Initial Start Date: 3rd Qtr. 2008
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:
Department:	Public Works	Initial Completion Date: 2nd Qtr. 2009
Council District:	City-wide	Revised Completion Date:
Location:	City-wide	

Description: This project will support the redesign and/or replacement of aging sanitary pump stations that need high maintenance.

Justification: Redesigning and/or replacing aging pump stations will achieve cost savings and enhance the efficiency of the storm system.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Design				115					115		115
Bid & Award				5					5		5
Construction				375					375		375
Post Construction				5					5		5
TOTAL				500					500		500

FUNDING SOURCE SCHEDULE (000'S)											
Sewer Service And Use				500					500		500
Charge Capital Improvement Fund											
TOTAL				500					500		500

ANNUAL OPERATING BUDGET IMPACT (000'S)											
None											

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2008-2009	Redevelopment Area:	N/A
Initial Project Budget:	\$500,000	SNI Area:	N/A
Appn. #:	6527	USGBC LEED:	N/A

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Detail of Capital Projects

12. Spreckles Sanitary Sewer Force Main Supplement

CSA: Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 2008
CSA Outcome: Reliable Utility Infrastructure **Revised Start Date:**
Department: Public Works **Initial Completion Date:** 2nd Qtr. 2010
Council District: 4 **Revised Completion Date:**
Location: Along Spreckles Avenue between Dearborn Street and Los Esteros Road and along Los Esteros Road to the Water Pollution Control Plant (WPCP)
Description: This project will install a new sanitary sewer force main High Density Polyethylene pipe parallel to the existing line and build additional manhole accesses for maintenance purposes.
Justification: Due to the aging existing sanitary sewer force main and the nature of the pipe material (asbestos concrete), a redundant line will need to be implemented in order to provide continuous service to the Alviso area without disruptions.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Development				36					36		36
Design				393					393		393
Construction				2,420	55				2,475		2,475
Post Construction					5				5		5
TOTAL				2,849	60				2,909		2,909

FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer					54				54		54
Connection Fee Fund											
Sewer Service And Use				2,849	6				2,855		2,855
Charge Capital Improvement Fund											
TOTAL				2,849	60				2,909		2,909

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

FY Initiated: 2008-2009 **Redevelopment Area:** N/A
Initial Project Budget: \$2,909,000 **SNI Area:** N/A
Appn. #: 6531 **USGBC LEED:** N/A

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Detail of Capital Projects

13. Union/Almaden Oak Sanitary Sewer Rehabilitation

CSA: Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 2009
CSA Outcome: Reliable Utility Infrastructure **Revised Start Date:** 3rd Qtr. 2007
Department: Public Works **Initial Completion Date:** 2nd Qtr. 2011
Council District: 3 **Revised Completion Date:** 1st Qtr. 2009
Location: Union Street, Almaden Avenue, West Virginia Street, Sutter Street, and Oak Street

Description: This project funds the rehabilitation of 4,600 linear feet of 6, 8, 10, and 14-inch diameter reinforced concrete pipe with a trenchless method called cured-in-place pipe.

Justification: Based on the Department of Transportation's analysis, this project is required to alleviate maintenance issues within this area with the rehabilitation of the sagging and broken existing sewer pipes.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Development		74	66								66
Design		111	21	395					395		416
Bid & Award		20		15					15		15
Construction		1,369		1,071					1,071		1,071
Post Construction				11					11		11
TOTAL		1,574	87	1,492					1,492		1,579

FUNDING SOURCE SCHEDULE (000'S)											
Sewer Service And Use Charge Capital Improvement Fund		1,574	87	1,492					1,492		1,579
TOTAL		1,574	87	1,492					1,492		1,579

ANNUAL OPERATING BUDGET IMPACT (000'S)											
None											

Major Changes in Project Cost:
None

Notes:

2008-2012 CIP - project was accelerated to begin in 2007-2008. It was originally projected to begin in 2009-2010.

FY Initiated: 2007-2008 **Redevelopment Area:** N/A
Initial Project Budget: \$1,544,000 **SNI Area:** N/A
Appn. #: 5970 **USGBC LEED:** N/A

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Detail of Capital Projects

14. University Avenue Sanitary Sewer Replacement

CSA: Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 2008
CSA Outcome: Reliable Utility Infrastructure **Revised Start Date:**
Department: Public Works **Initial Completion Date:** 2nd Qtr. 2010
Council District: 6 **Revised Completion Date:**
Location: University Avenue between Bascom Avenue and Chapman Street
Description: The project will remove and replace approximately 5,000 linear feet of 6-inch diameter vitrified clay pipe and reinstate sanitary sewer laterals, including other appurtenances such as construction of new manholes and pavement restoration.
Justification: This project will replace the existing aging sewer line with new pipe and increase the pipe slope to obtain good cleaning velocity, which will minimize the frequent maintenance by the Department of Transportation.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Development				80					80		80
Design				200					200		200
Bid & Award				6					6		6
Construction				2,640					2,640		2,640
Post Construction					10				10		10
TOTAL				2,926	10				2,936		2,936

FUNDING SOURCE SCHEDULE (000'S)

Sewer Service And Use Charge Capital Improvement Fund				2,926	10				2,936		2,936
TOTAL				2,926	10				2,936		2,936

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

FY Initiated: 2008-2009 **Redevelopment Area:** N/A
Initial Project Budget: \$2,936,000 **SNI Area:** N/A
Appn. #: 6532 **USGBC LEED:** N/A

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Detail of Capital Projects

15. Willow Glen Sanitary Sewer Rehabilitation

CSA: Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 2007
CSA Outcome: Reliable Utility Infrastructure **Revised Start Date:**
Department: Public Works **Initial Completion Date:** 2nd Qtr. 2009
Council District: 6 **Revised Completion Date:**
Location: Nevada Avenue between Lincoln and Newport
Avenues; Willow Glen Way and Telfer Avenue
between Lincoln and Newport Avenues
Description: This project rehabilitates approximately 3,000 linear feet of 6-inch vitrified clay pipe using cured-in-place lining method along Nevada Avenue between Lincoln and Newport Avenues; and along Willow Glen Way and Telfer Avenue between Lincoln and Newport Avenues.
Justification: This project rehabilitates an existing sewer pipe that is moderately in deteriorated condition.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Development		4	4								4
Design		39	39								39
Bid & Award		12	12								12
Construction		1,033	57	1,195					1,195		1,252
Post Construction				10					10		10
TOTAL		1,088	112	1,205					1,205		1,317

FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer	88	62	26						26		88
Connection Fee Fund											
Sewer Service And Use	1,000	50	1,179						1,179		1,229
Charge Capital											
Improvement Fund											
TOTAL	1,088	112	1,205						1,205		1,317

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

FY Initiated: 2007-2008
Initial Project Budget: \$1,128,000
Appn. #: 5961

Redevelopment Area: N/A
SNI Area: N/A
USGBC LEED: N/A

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Detail of Capital Projects

16. Fee Administration

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	Ongoing
Council District:	N/A	Revised Completion Date:	
Location:	N/A		

Description: This allocation provides funding for the Public Works Development Program to collect Sanitary Sewer Connection Fees.

Justification: This allocation is necessary to pay for the cost of collecting fees.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Program Management		106	106	111	117	120	123	125	596		
TOTAL		106	106	111	117	120	123	125	596		
FUNDING SOURCE SCHEDULE (000'S)											
Sanitary Sewer Connection Fee Fund		106	106	111	117	120	123	125	596		
TOTAL		106	106	111	117	120	123	125	596		
ANNUAL OPERATING BUDGET IMPACT (000'S)											
None											

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	5241	USGBC LEED:	N/A

Sanitary Sewer System Capital Program

2009-2013 Adopted Capital Improvement Program

Detail of Capital Projects

17. Flow Monitoring Program (Master Planning)

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	Ongoing
Council District:	City-wide	Revised Completion Date:	
Location:	City-wide		

Description: This allocation funds the establishment of a city-wide sanitary sewer master plan. The master plan is intended to study and develop a system to identify capacity improvement needs. The sanitary sewer system is divided into five areas - North, South, Central, East, and West. A Sanitary Sewer System Master Plan was completed for the North, South, and Central areas in June 2004. Sanitary sewer master planning for the East and West areas is anticipated to begin in future fiscal years. Ongoing funding will provide for future updates, flow analysis, and condition assessment studies to support the City's Sanitary Sewer Management Plan (SSMP) requirements.

Justification: This allocation is necessary to isolate the sanitary sewer system for master planning, sewage flow diversions, and system analysis for the collection system and the Water Pollution Control Plant.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Master Plan/Study		5,430	3,410	3,312	1,000	1,000	1,000	1,000	7,312		
TOTAL		5,430	3,410	3,312	1,000	1,000	1,000	1,000	7,312		
FUNDING SOURCE SCHEDULE (000'S)											
Sanitary Sewer		2,326	706	2,262	500	500	500	500	4,262		
Connection Fee Fund											
Sewer Service And Use		3,104	2,704	1,050	500	500	500	500	3,050		
Charge Capital											
Improvement Fund											
TOTAL		5,430	3,410	3,312	1,000	1,000	1,000	1,000	7,312		
ANNUAL OPERATING BUDGET IMPACT (000'S)											

None

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	4696, 4964	USGBC LEED:	N/A

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Detail of Capital Projects

18. Geographic Information System (GIS)

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	Ongoing
Council District:	City-wide	Revised Completion Date:	
Location:	City-wide		

Description: This ongoing allocation funds the prorated contribution for staff and consultant support for the computerized Geographic Information System (GIS). This system is used for tracking, monitoring, accessing, analyzing, and managing sanitary sewer projects.

Justification: This allocation ensures cost-effective, timely, and reliable delivery of sanitary program projects.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Program Management		53	24	149	40	40	40	40	309		
TOTAL		53	24	149	40	40	40	40	309		

FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer Connection Fee Fund											
Sewer Service And Use Charge Capital Improvement Fund		53	24	149	40	40	40	40	309		
TOTAL		53	24	149	40	40	40	40	309		

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	4131	USGBC LEED:	N/A

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Detail of Capital Projects

19. Infrastructure - Sanitary Sewer Condition Assessment

CSA:	Environmental and Utility Services	Initial Start Date: 3rd Qtr. 2008
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:
Department:	Public Works	Initial Completion Date: 2nd Qtr. 2009
Council District:	City-wide	Revised Completion Date:
Location:	City-wide	

Description: This project funds the establishment of a city-wide sanitary sewer master plan to perform a sanitary sewer condition assessment in order to identify locations in need of rehabilitation and capacity improvements.

Justification: This allocation will fund the cost of management, research, and system analysis needed for sanitary master planning, sewage flow diversions, and the collection system.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Master Plan/Study				915					915		915
TOTAL				915					915		915

FUNDING SOURCE SCHEDULE (000'S)											
Sewer Service And Use Charge Capital Improvement Fund				915					915		915
TOTAL				915					915		915

ANNUAL OPERATING BUDGET IMPACT (000'S)											
None											

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2008-2009	Redevelopment Area:	N/A
Initial Project Budget:	\$915,000	SNI Area:	N/A
Appn. #:	6521	USGBC LEED:	N/A

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Detail of Capital Projects

20. Payments to West Valley Sanitation District

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	Ongoing
Council District:	N/A	Revised Completion Date:	
Location:	N/A		

Description: This allocation reimburses the West Valley Sanitation District for the City's share of potential joint sanitary sewer projects within their jurisdiction.

Justification: This allocation will fund rehabilitation projects required due to structural deterioration.

EXPENDITURE SCHEDULE (000'S)										
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year
Transfer to Other Agencies		10	10	10	10	10	10	10	50	
TOTAL		10	10	10	10	10	10	10	50	
FUNDING SOURCE SCHEDULE (000'S)										
Sanitary Sewer Connection Fee Fund		10	10	10	10	10	10	10	50	
TOTAL		10	10	10	10	10	10	10	50	
ANNUAL OPERATING BUDGET IMPACT (000'S)										

None

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	4230	USGBC LEED:	N/A

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Detail of Capital Projects

21. Permit Review and Inspection for Outside Agencies

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	Ongoing
Council District:	City-wide	Revised Completion Date:	
Location:	City-wide		

Description: City staff performs many services for the review and inspection of projects for the Santa Clara Valley Water District. As is customary practice between public agencies, and per State law, the City and Water District do not charge one another for these services. Therefore, neither entity recovers its costs from the other.

Justification: City staff reviews plans, issues encroachment permits, and inspects the construction of Water District projects that are located within, or will impact, the City's right-of-way. Staff work is essential to ensure the safety of construction activities of the Water District's contractor, and the quality control of these projects. Failure to do so will result in the increased potential for undesirable traffic impacts (e.g. accidents) and impacts of the contractor's activities on public and private utility infrastructure.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Program Management		75	75	75	75	75	75	75	375		
TOTAL		75	75	75	75	75	75	75	375		

FUNDING SOURCE SCHEDULE (000'S)

Sewer Service And Use Charge Capital Improvement Fund	75	75	75	75	75	75	75	75	375		
TOTAL	75	75	75	75	75	75	75	75	375		

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	5149	USGBC LEED:	N/A

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Detail of Capital Projects

22. Preliminary Engineering

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	Ongoing
Council District:	City-wide	Revised Completion Date:	
Location:	City-wide		

Description: This allocation provides funding to support preliminary engineering for sanitary sewer related projects, including surveys and evaluations of project impacts on the sanitary sewer system.

Justification: Preliminary engineering is required to define the scope and develop cost effective solutions to sanitary sewer issues.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Development		731	531	700	610	600	615	600	3,125		
TOTAL		731	531	700	610	600	615	600	3,125		
FUNDING SOURCE SCHEDULE (000'S)											
Sanitary Sewer Connection Fee Fund		731	531	700					700		
Sewer Service And Use Charge Capital Improvement Fund					610	600	615	600	2,425		
TOTAL		731	531	700	610	600	615	600	3,125		
ANNUAL OPERATING BUDGET IMPACT (000'S)											
None											

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	4273	USGBC LEED:	N/A

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Detail of Capital Projects

23. Program Management

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	Ongoing
Council District:	City-wide	Revised Completion Date:	
Location:	City-wide		

Description: This allocation provides funding for the administration, management, and monitoring of sanitary sewer system capital improvement projects. This allocation also provides funding for staff to respond to new California Regional Water Quality Control Board (RWQCB) reporting requirements on sanitary sewer overflows. In addition, this allocation provides funding to prepare and implement a Sewer System Management Plan (SSMP), which includes a capacity and condition evaluation required by the RWQCB.

Justification: Staff support is necessary to respond to and meet regional water quality requirements and implement sanitary sewer system capital improvement projects.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Program Management		415	415	400	400	400	400	400	2,000		
TOTAL		415	415	400	400	400	400	400	2,000		

FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer Connection Fee Fund	100	100	400			100	400	390	1,290		
Sewer Service And Use Charge Capital Improvement Fund	315	315			400	300		10	710		
TOTAL		415	415	400	400	400	400	400	2,000		

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	4286	USGBC LEED:	N/A

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Detail of Capital Projects

24. Public Works Capital Management Costs

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	Ongoing
Council District:	City-wide	Revised Completion Date:	
Location:	City-wide		

Description: This allocation funds the fair share of Public Works Department administrative and management costs necessary to ensure the delivery of capital projects.

Justification: This allocation is required to recover the actual administrative and management costs incurred when delivering capital projects.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Program Management		869	1,169	1,012	1,012	1,012	1,012	1,012	5,060		
TOTAL		869	1,169	1,012	1,012	1,012	1,012	1,012	5,060		

FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer Connection Fee Fund	349	278	143	143	143	143	143	715		
Sewer Service And Use Charge Capital Improvement Fund	520	891	869	869	869	869	869	4,345		
TOTAL	869	1,169	1,012	1,012	1,012	1,012	1,012	5,060		

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	6000	USGBC LEED:	N/A

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Detail of Capital Projects

25. Public Works Engineering Services Equipment (Materials Lab)

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	Ongoing
Council District:	N/A	Revised Completion Date:	
Location:	N/A		

Description: This ongoing allocation funds the purchase of equipment necessary to perform quality assurance testing on materials used in sewer rehabilitation projects.

Justification: This allocation is necessary to meet Public Works Department's ongoing Materials Testing Lab equipment replacement needs.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Equipment		38	38	40	40	40	40	40	200		
TOTAL		38	38	40	40	40	40	40	200		

FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer Connection Fee Fund											
Sewer Service And Use Charge Capital Improvement Fund		38	38	40	40	40	40	40	200		
TOTAL		38	38	40	40	40	40	40	200		

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	4135, 5749	USGBC LEED:	N/A

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Summary of Projects that Start after 2008-2009

Project Name: 30" Old Bayshore Rehabilitation	Council District: 4
5-Year CIP Budget: \$3,450,000	Estimated Start Date: 3rd Qtr. 2010
Total Budget: \$3,450,000	Estimated End Date: 2nd Qtr. 2012
USGBC LEED N/A	

Description: This project consists of, but not limited to, the rehabilitation of approximately 5,200 linear feet of 30-inch diameter vitrified clay pipe (VCP), rehabilitation of 20 existing sanitary manholes and reconnection of active sanitary sewer service laterals.

Project Name: Almaden Road Supplement Sewer Rehabilitation (North)	Council District: 3 , 7
5-Year CIP Budget: \$2,031,000	Estimated Start Date: 3rd Qtr. 2009
Total Budget: \$2,031,000	Estimated End Date: 2nd Qtr. 2011
USGBC LEED N/A	

Description: This project funds the rehabilitation of approximately 3,691 feet of 42-inch to 48-inch diameter reinforced concrete pipe (RCP) with a cured-in-place pipe liner.

Project Name: Almaden Road Supplement Sewer Rehabilitation (South)	Council District: 6
5-Year CIP Budget: \$2,333,000	Estimated Start Date: 3rd Qtr. 2009
Total Budget: \$2,333,000	Estimated End Date: 2nd Qtr. 2011
USGBC LEED N/A	

Description: This project funds the rehabilitation of approximately 4,834 feet of 36-inch to 48-inch diameter reinforced concrete pipe with cured-in-place pipe liner.

Project Name: Blossom Hill Road Supplement	Council District: 9
5-Year CIP Budget: \$500,000	Estimated Start Date: 3rd Qtr. 2010
Total Budget: \$500,000	Estimated End Date: 2nd Qtr. 2011
USGBC LEED N/A	

Description: This project will construct a 12-inch 140 feet sewer on Blossom Hill Road at Dellwood Way and Kooser Road intersection to divert all flow away from the Almaden Expressway.

Project Name: Capitol Avenue Sanitary Sewer Improvement	Council District: 4
5-Year CIP Budget: \$1,675,000	Estimated Start Date: 3rd Qtr. 2011
Total Budget: \$1,675,000	Estimated End Date: 2nd Qtr. 2013
USGBC LEED N/A	

Description: This project funds the replacement of approximately 3,520 linear feet of existing eight-inch diameter sanitary sewer pipes with the required 12-inch diameter sanitary sewer pipes on Capitol Avenue, north of Battaglia Court to Hostetter Road.

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Summary of Projects that Start after 2008-2009

Project Name: Coleman Road Sanitary Sewer Improvement	Council District: 10
5-Year CIP Budget: \$2,629,000	Estimated Start Date: 3rd Qtr. 2010
Total Budget: \$2,629,000	Estimated End Date: 2nd Qtr. 2012
USGBC LEED N/A	

Description: This project funds the replacement of approximately 6,260 linear feet of existing 8-inch to 10-inch diameter sanitary sewer pipes with the required 12-inch to 18-inch diameter sanitary sewer pipes on Coleman Road between Sentinel Street and Almaden Expressway.

Project Name: Cropley Avenue Sanitary Sewer Improvement	Council District: 4
5-Year CIP Budget: \$4,529,000	Estimated Start Date: 3rd Qtr. 2010
Total Budget: \$4,529,000	Estimated End Date: 2nd Qtr. 2012
USGBC LEED N/A	

Description: This project funds the replacement of approximately 4,150 linear feet of existing 10-inch diameter sanitary sewer pipes with the required 12-inch and 15-inch diameter sanitary sewer pipes on Cropley Avenue between Morrill Avenue and Capitol Avenue.

Project Name: Fourth Major Interceptor, Phase IIB	Council District: 4
5-Year CIP Budget: \$3,400,000	Estimated Start Date: 3rd Qtr. 2009
Total Budget: \$3,400,000	Estimated End Date: 2nd Qtr. 2011
USGBC LEED N/A	

Description: This allocation will fund the rehabilitation of approximately 2,500 linear feet of 84-inch diameter reinforced concrete pipe (RCP) along Zanker Road between Structure A and Holger Way.

Project Name: Foxworthy Avenue Sanitary Sewer Improvement	Council District: 9
5-Year CIP Budget: \$2,519,000	Estimated Start Date: 3rd Qtr. 2011
Total Budget: \$2,519,000	Estimated End Date: 2nd Qtr. 2013
USGBC LEED N/A	

Description: This project improves the capacity of approximately 3,910 feet of sewer on Foxworthy Avenue between Meridian Avenue and Plummer Avenue by upsizing the existing 10-inch to 12-inch sewer to a 15-inch sewer.

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Summary of Projects that Start after 2008-2009

Project Name: Jacob Avenue Sanitary Sewer
Improvement
5-Year CIP Budget: \$2,825,000
Total Budget: \$2,825,000
USGBC LEED N/A

Council District: 9
Estimated Start Date: 3rd Qtr. 2012
Estimated End Date: 2nd Qtr. 2013

Description: This project improves the capacity of approximately 4,510 feet of sewer on Jacob Avenue between Meridian Avenue and Myrtle Avenue by upsizing the existing 10-inch sewer to a 15-inch sewer.

Project Name: Morrill Avenue/Sierra Road Sanitary
Sewer Improvement
5-Year CIP Budget: \$2,400,000
Total Budget: \$2,400,000
USGBC LEED N/A

Council District: 4
Estimated Start Date: 3rd Qtr. 2010
Estimated End Date: 2nd Qtr. 2012

Description: This project funds the replacement of approximately 4,140 linear feet of existing eight-inch and 10-inch diameter sanitary sewer pipes with the required 12-inch diameter sanitary sewer pipes on Morrill Avenue and Sierra Road between Zion Lane and Hostetter Road.

Project Name: Parkmoor-Meridian Sanitary Sewer
Rehabilitation
5-Year CIP Budget: \$2,000,000
Total Budget: \$2,000,000
USGBC LEED N/A

Council District: 6
Estimated Start Date: 3rd Qtr. 2012
Estimated End Date: 2nd Qtr. 2013

Description: This project rehabilitates approximately 2,853 feet of 33-inch diameter reinforced concrete pipe (RCP) with cured-in-place pipe (CIPP) liner on Pedro Street between Meridian Way and Northrup Avenue, and on Northrup Avenue between Parkmoor Avenue and Pedro Street.

Sanitary Sewer System Capital Program
2009-2013 Adopted Capital Improvement Program
Summary of Projects with Close-out Costs Only in 2008-2009

Project Name: 84" RCP Interceptor, Phases VB & VIB	Initial Start Date: 3rd Qtr. 2004
5-Year CIP Budget: \$529,000	Revised Start Date:
Total Budget: \$8,496,000	Initial End Date: 1st Qtr. 2007
Council District: 3, 4	Revised End Date: 4th Qtr. 2008
USGBC LEED: N/A	

Description: This project rehabilitates approximately 4,800 linear feet of 84-inch diameter reinforced concrete pipe with a segmented slipliner. Phases VB and VIB are located on North 4th Street from Commercial Street to Old Bayshore Highway.

Project Name: Alum Rock Avenue Sanitary Sewer Rehabilitation	Initial Start Date: 3rd Qtr. 2006
5-Year CIP Budget: \$160,000	Revised Start Date:
Total Budget: \$1,025,000	Initial End Date: 2nd Qtr. 2007
Council District: 5	Revised End Date: 4th Qtr. 2008
USGBC LEED: N/A	

Description: This project funds the rehabilitation of approximately 1,700 linear feet of 6-inch diameter cast iron sewer with a trenchless method called cured-in-place pipe.

Project Name: Julian-Sunol Supplemental Sewer Rehabilitation	Initial Start Date: 3rd Qtr. 2009
5-Year CIP Budget: \$314,000	Revised Start Date: 3rd Qtr. 2007
Total Budget: \$1,521,000	Initial End Date: 2nd Qtr. 2011
Council District: 3	Revised End Date: 4th Qtr. 2008
USGBC LEED: N/A	

Description: This project funds the rehabilitation of approximately 3,645 feet of 48-inch diameter reinforced concrete pipe with cured-in-place pipe liner.